

[illegible]
$$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}, \quad \frac{d}{dt} \left(\frac{\partial L}{\partial \dot{y}} \right) = \frac{\partial L}{\partial y}, \quad \frac{d}{dt} \left(\frac{\partial L}{\partial \dot{z}} \right) = \frac{\partial L}{\partial z}$$

A system and method for providing Internet broadcasting data based on hierarchical structure, which can reduce a bottleneck problem due to data congestion. The method for providing Internet broadcasting data includes the steps of; a) if a connection request signal is received from a first terminal, determining whether a number of terminals connected to a server is smaller than a threshold value; b) if the number of the terminals connected to the server is smaller than the threshold value, transmitting broadcasting data to the first terminal; and c) if the number of the terminals connected to the server is not smaller than the threshold value, leading the first terminal to try to connect a second terminal, wherein the second terminal is one of the terminals connected to the server.